

Table S1. Seasonal H1N1 virus A/Brisbane/59/2007 B cell epitopes conserved in pdmH1N1 virus A/Mexico/4108/2009

Viruses ^a	B cell epitopes ^b			
	HA epitope 1 ^d	NA epitope 1	NP epitope 1	M1 epitope1
Mex/4108	EKNVTVTHSVNLEN	KGDVVFVIREPFISCSHLECRFFLTQGALLND	ERMVLSAF	LTEVETYVLSIIPSGPLKAE
Briabane/59	EKNVTVTHSVNLED	KGDVVFVIREPFISCSPLECRFFLTQGALLND	ERMVLSAF	LTEVETYVLSIVPSGPLKAE
Identity ^c	93%	97%	100%	95%
	HA epitope 2	NA epitope 2	NP epitope 2	M1 epitope 2
Mex/4108	EQLSSVSSF	GAVAVLKYN	TRALVR	TRPILSPLTKGILGFVFTLTVP
Briabane/59	EQLSSVSSF	GAVAVLKYN	TRALVR	TRPILSPLTKGILGFVFTLTVP
Identity	100%	100%	100.0%	100%
	HA epitope 3	NA epitope 3	NP epitope 3	M1 epitope 3
Mex/4108	LFGAIAGF	SGSFVQHPELTGLDCIRPCFWVELI -----	NPIVPSF	LENLQAY
Briabane/59	LFGAIAGF	SGSFVQHPELTGLDCIRPCFWVELVRGL	NPIVPSF	LENLQAY
Identity	100%	96%	100%	100%
				M1 epitope 4
Mex/4108				AFGLVCATCEQI
Briabane/59				AFGLICATCEQI
Identity				92%
				M1 epitope 5
Mex/4108				RMVLAST
Briabane/59				RMVLAST
Identity				100%

^a Mex/4108: A/Mexico/4108/2009; Brisbane/59: A/Brisbane/59/2007.

^b B cell epitopes of Hemagglutinin (HA), Neuraminidase (NA) Nucleoprotein (NP) and Matrix protein 1 (M1) were generated by IEDB analysis resources.

^c Similarity of B cell epitopes between Mex/4108 and Brisbane/59 were analyzed by IEDB epitope conservancy analysis tool.

